DOMEST AND COLUMN TO THE TOTAL TOTAL

Rec'd PCT/PTO 2 4 MAY 2005

1/536487

International application No.

				PC1/KR03/006	70	
A.	CLAS	SIFICATION OF SUBJECT MATTER		•		
	IPC7 G02B 6/44					
According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELDS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols)						
IPC7 G02B 6/44						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Korean Patents and applications for inventions since 1975						
Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used)						
IEL						
C. DOCUMENTS CONSIDERED TO BE RELEVANT						
Categ	gory*	Citation of document, with indication, where appr	opriate, of the relevant passa	ges	Relevant to claim No.	
A		EP 777141 A1 (AT & T Corp.) 4 JUNE 1997 See whole document			1-29	
А		JP 6-281848 A (SHOWA ELECTRIC WIRE & CAB See whole document	LE CO., LTD) 7 OCTOBER	1994	1-29	
Α		US 5247599 A (SUMITOMO ELECTRIC FIBER OPTICS CORP.) 21 SEPTEMBER 1993 See whole document		1-29		
	Further	documents are listed in the continuation of Box C.	See patent fam	ily annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed		ategories of cited documents: defining the general state of the art which is not considered articular relevance plication or patent but published on or after the international t which may throw doubts on priority claim(s) or which is stablish the publication date of citation or other cason (as specified) t referring to an oral disclosure, use, exhibition or other t published prior to the international filing date but later priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family			
Date of the actual completion of the international search			Date of mailing of the international search report			
29 OCTOBER 2003 (29.10.2003)			30 OCTOBER 2003 (30.10.2003)			
Name and mailing address of the ISA/KR Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea			Authorized officer JEONG, So Yeon			
Facs	simile No	82-42-472-7140	Telephone No. 82-42-48	1-5656		